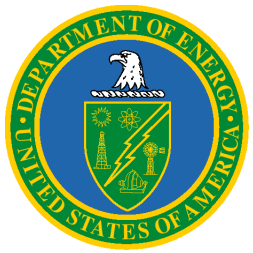
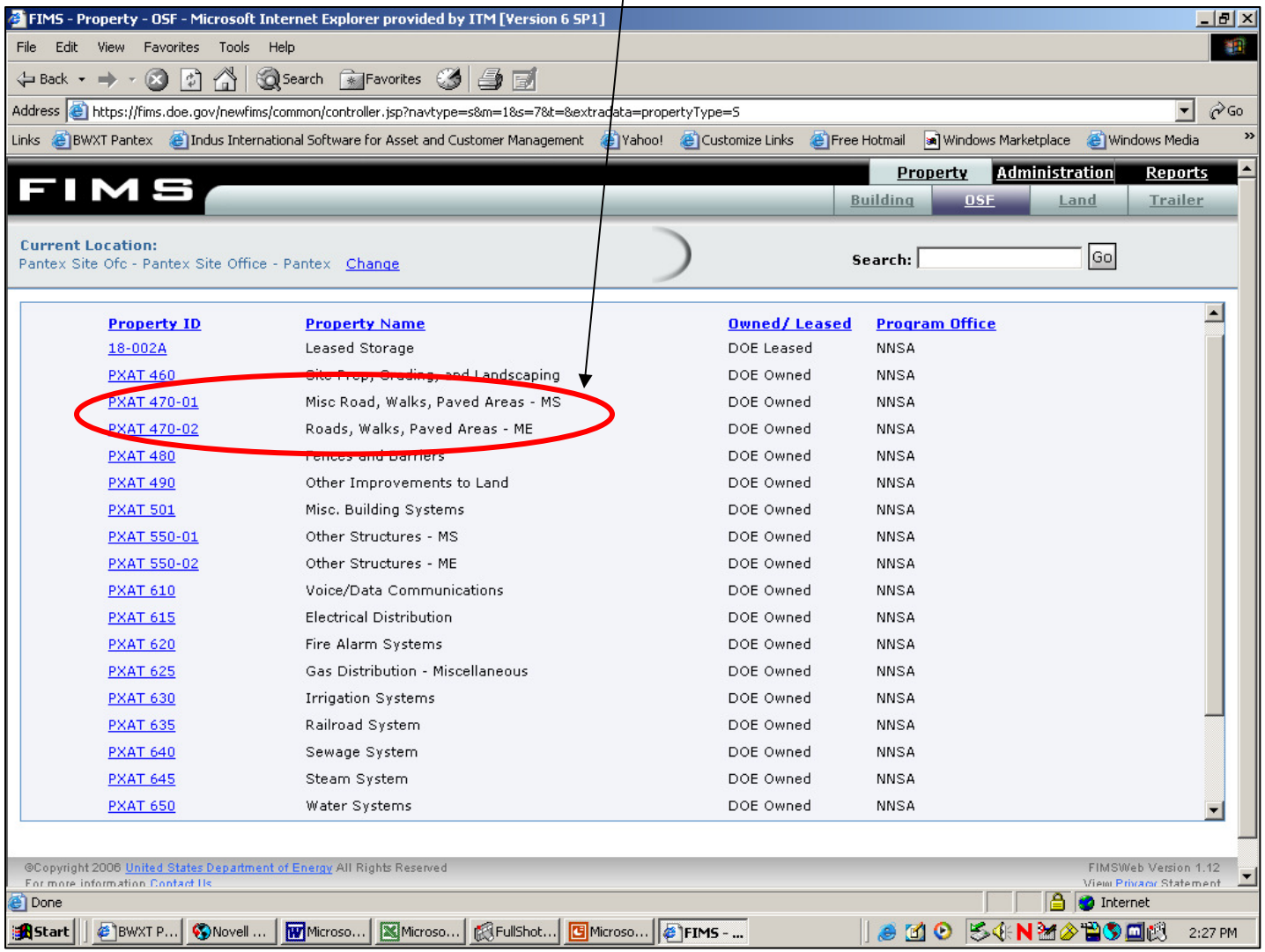
B&W Pantex – Other Structures and Facilities (Roads)

March 2009

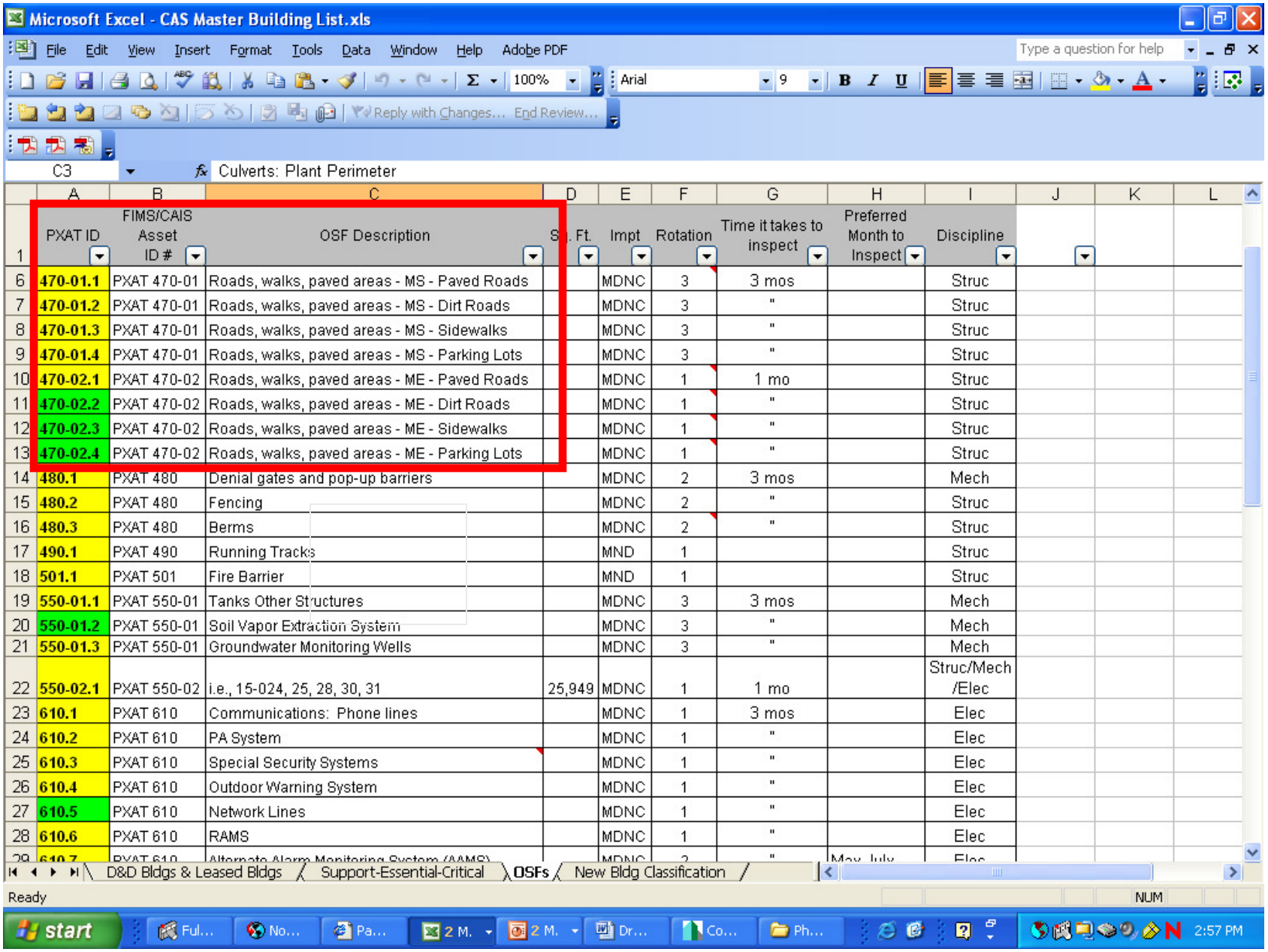
Presented by:
Steve Patterson – Pantex Plant
CAIS/FIMS Administrator, CAS Manager



- At Pantex, Facilities Information Management System (FIMS) identifies our road OSFs at the highest level



*This is a partial list of Pantex's OSFs.

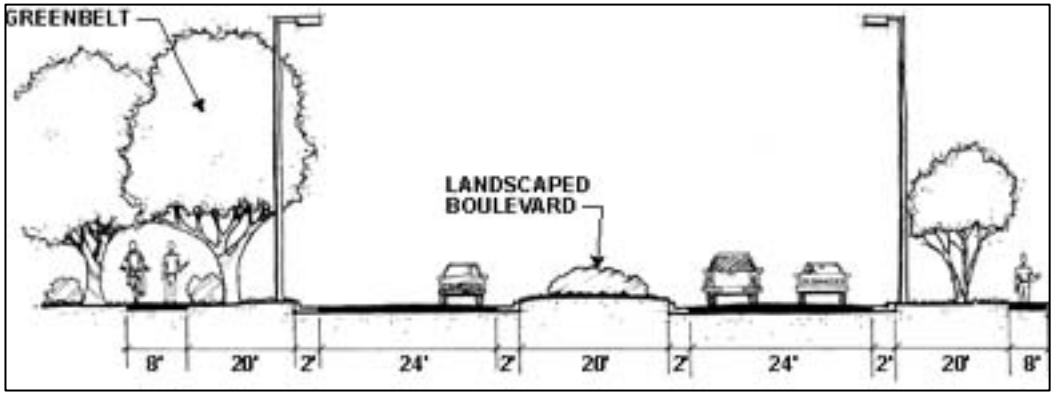


	A	B	C	D	E	F	G	H	I	J	K	L
1	PXAT ID	FIMS/CAIS Asset ID #	OSF Description	S. Ft.	Impt	Rotation	Time it takes to inspect	Preferred Month to Inspect	Discipline			
6	470-01.1	PXAT 470-01	Roads, walks, paved areas - MS - Paved Roads		MDNC	3	3 mos		Struc			
7	470-01.2	PXAT 470-01	Roads, walks, paved areas - MS - Dirt Roads		MDNC	3	"		Struc			
8	470-01.3	PXAT 470-01	Roads, walks, paved areas - MS - Sidewalks		MDNC	3	"		Struc			
9	470-01.4	PXAT 470-01	Roads, walks, paved areas - MS - Parking Lots		MDNC	3	"		Struc			
10	470-02.1	PXAT 470-02	Roads, walks, paved areas - ME - Paved Roads		MDNC	1	1 mo		Struc			
11	470-02.2	PXAT 470-02	Roads, walks, paved areas - ME - Dirt Roads		MDNC	1	"		Struc			
12	470-02.3	PXAT 470-02	Roads, walks, paved areas - ME - Sidewalks		MDNC	1	"		Struc			
13	470-02.4	PXAT 470-02	Roads, walks, paved areas - ME - Parking Lots		MDNC	1	"		Struc			
14	480.1	PXAT 480	Denial gates and pop-up barriers		MDNC	2	3 mos		Mech			
15	480.2	PXAT 480	Fencing		MDNC	2	"		Struc			
16	480.3	PXAT 480	Berms		MDNC	2	"		Struc			
17	490.1	PXAT 490	Running Tracks		MND	1			Struc			
18	501.1	PXAT 501	Fire Barrier		MND	1			Struc			
19	550-01.1	PXAT 550-01	Tanks Other Structures		MDNC	3	3 mos		Mech			
20	550-01.2	PXAT 550-01	Soil Vapor Extraction System		MDNC	3	"		Mech			
21	550-01.3	PXAT 550-01	Groundwater Monitoring Wells		MDNC	3	"		Mech			
22	550-02.1	PXAT 550-02	i.e., 15-024, 25, 28, 30, 31	25,949	MDNC	1	1 mo		Struc/Mech /Elec			
23	610.1	PXAT 610	Communications: Phone lines		MDNC	1	3 mos		Elec			
24	610.2	PXAT 610	PA System		MDNC	1	"		Elec			
25	610.3	PXAT 610	Special Security Systems		MDNC	1	"		Elec			
26	610.4	PXAT 610	Outdoor Warning System		MDNC	1	"		Elec			
27	610.5	PXAT 610	Network Lines		MDNC	1	"		Elec			
28	610.6	PXAT 610	RAMS		MDNC	1	"		Elec			

Primary Roads

Primary roads include all installation roads and streets that serve as the main distributing arteries for all traffic originating from within or outside of the installation. These roads carry the greatest traffic volumes and provide the means by which most people see the visual image of an area. Incorporating boulevards during the planning stage will strengthen the visual image and provide an opportunity to reinforce the Beaux-Arts principles of design.

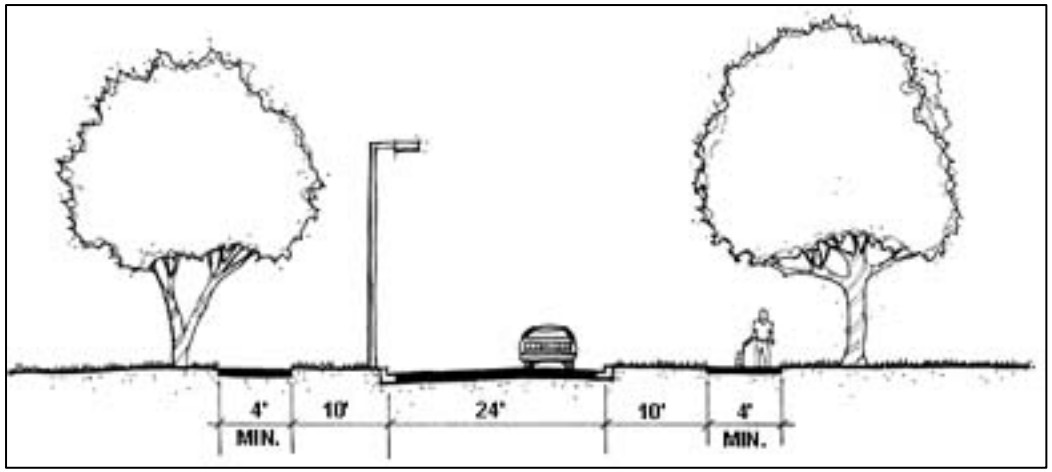
Primary roads typically have four lanes to permit the highest travel speed. All other primary roads, should include sidewalks and bike lanes. To improve visual appeal and safety of pedestrians and bicycle riders, the sidewalk and bicycle lanes should be adequately separated from the road by trees and shrubs. Access should be limited onto primary roads with a minimum distance of 660' located between median openings. A minimum of 100' should be maintained between driveway cuts and a minimum of 1/2 mile between signalized intersections.



***Information obtained from Ft. Bragg web page**

Secondary Roads

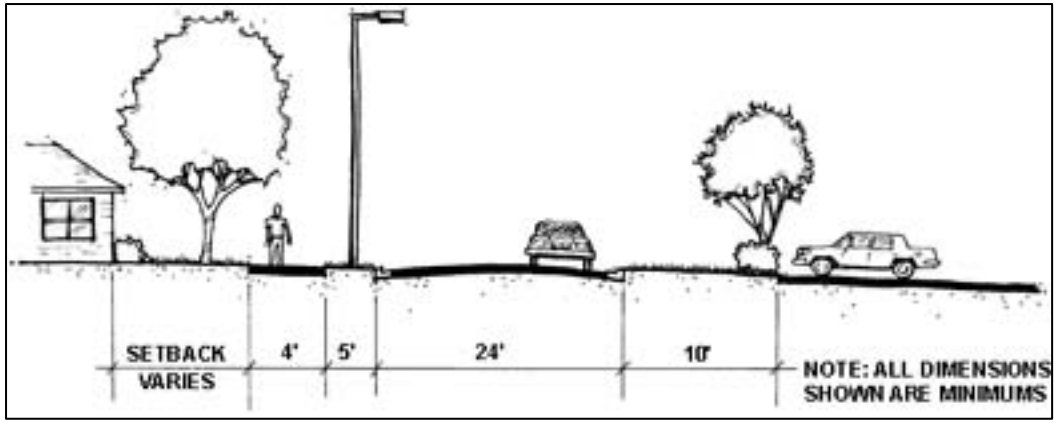
Secondary roadways generally provide traffic movement between primary and tertiary roads and typically connect primary roads with individual use areas. The smaller volumes of traffic carried by these roads permit slower design speeds to accommodate for stop-and-go traffic. On-street parking should be prohibited on secondary roadways throughout the installation. Appropriate street lighting, walkway and bicycle lanes, signage, and landscape planting should be incorporated in the design.



***Information obtained from Ft. Bragg web page**

Tertiary Roads

Tertiary roadways or residential roadways handle lower volumes of more localized traffic and on-street parking when necessary. Their main function is to provide vehicular access to individual facilities, parking areas, and service areas. Street lighting, walkway and bicycle lanes, signage, and landscape planting should be incorporated in the design.

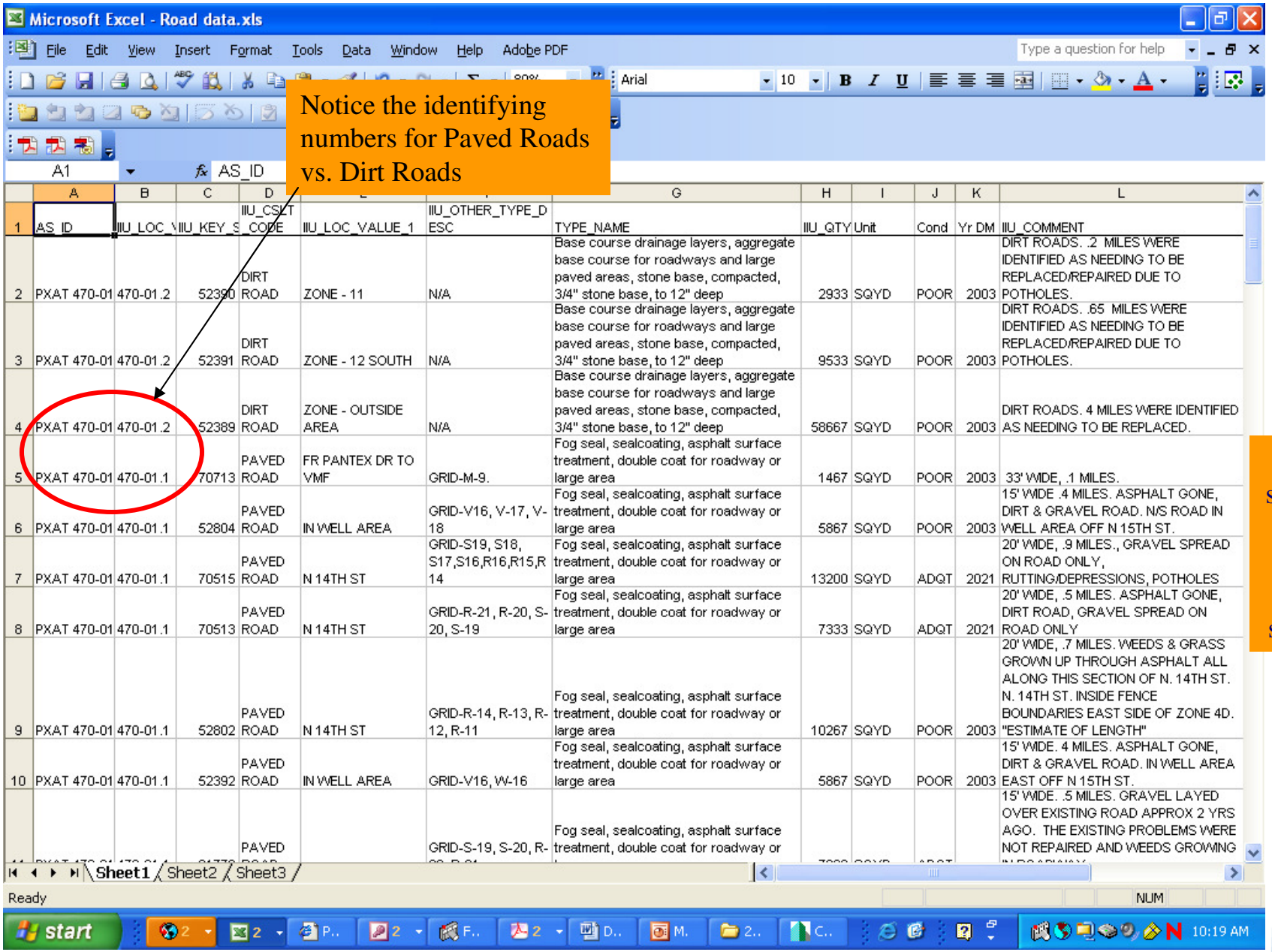


***Information obtained from Ft. Bragg web page**

Primary Road

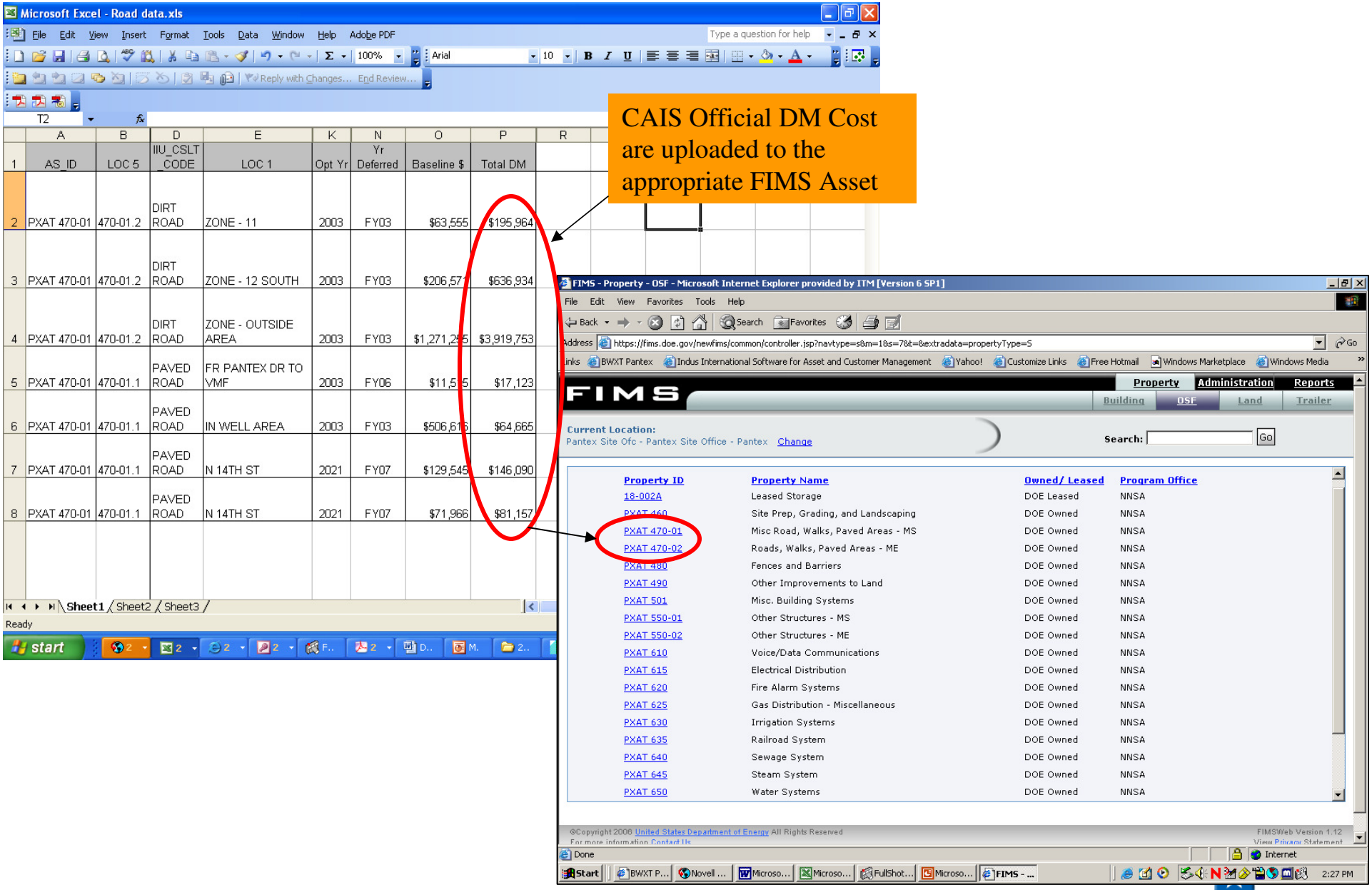
Secondary Road

Tertiary Roads



	A	B	C	D	E	F	G	H	I	J	K	L
1	AS_ID	IIU_LOC_V	IIU_KEY_S	IIU_CSLT_CODE	IIU_LOC_VALUE_1	IIU_OTHER_TYPE_DESC	TYPE_NAME	IIU_QTY	Unit	Cond	Yr DM	IIU_COMMENT
2	PXAT 470-01	470-01.2	52390	DIRT ROAD	ZONE - 11	N/A	Base course drainage layers, aggregate base course for roadways and large paved areas, stone base, compacted, 3/4" stone base, to 12" deep	2933	SQYD	POOR	2003	DIRT ROADS. .2 MILES WERE IDENTIFIED AS NEEDING TO BE REPLACED/REPAIRED DUE TO POTHOLES.
3	PXAT 470-01	470-01.2	52391	DIRT ROAD	ZONE - 12 SOUTH	N/A	Base course drainage layers, aggregate base course for roadways and large paved areas, stone base, compacted, 3/4" stone base, to 12" deep	9533	SQYD	POOR	2003	DIRT ROADS. .65 MILES WERE IDENTIFIED AS NEEDING TO BE REPLACED/REPAIRED DUE TO POTHOLES.
4	PXAT 470-01	470-01.2	52389	DIRT ROAD	ZONE - OUTSIDE AREA	N/A	Base course drainage layers, aggregate base course for roadways and large paved areas, stone base, compacted, 3/4" stone base, to 12" deep	58667	SQYD	POOR	2003	DIRT ROADS. 4 MILES WERE IDENTIFIED AS NEEDING TO BE REPLACED.
5	PXAT 470-01	470-01.1	70713	PAVED ROAD	FR PANTEX DR TO VMF	GRID-M-9.	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	1467	SQYD	POOR	2003	33' WIDE, .1 MILES.
6	PXAT 470-01	470-01.1	52804	PAVED ROAD	IN WELL AREA	GRID-V16, V-17, V-18	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	5867	SQYD	POOR	2003	15' WIDE .4 MILES. ASPHALT GONE, DIRT & GRAVEL ROAD. N/S ROAD IN WELL AREA OFF N 15TH ST.
7	PXAT 470-01	470-01.1	70515	PAVED ROAD	N 14TH ST	GRID-S19, S18, S17,S16,R16,R15,R14	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	13200	SQYD	ADQT	2021	20' WIDE, .9 MILES., GRAVEL SPREAD ON ROAD ONLY, RUTTING/DEPRESSIONS, POTHOLES
8	PXAT 470-01	470-01.1	70513	PAVED ROAD	N 14TH ST	GRID-R-21, R-20, S-20, S-19	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	7333	SQYD	ADQT	2021	20' WIDE, .5 MILES. ASPHALT GONE, DIRT ROAD, GRAVEL SPREAD ON ROAD ONLY
9	PXAT 470-01	470-01.1	52802	PAVED ROAD	N 14TH ST	GRID-R-14, R-13, R-12, R-11	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	10267	SQYD	POOR	2003	20' WIDE, .7 MILES. WEEDS & GRASS GROWN UP THROUGH ASPHALT ALL ALONG THIS SECTION OF N. 14TH ST. N. 14TH ST. INSIDE FENCE BOUNDARIES EAST SIDE OF ZONE 4D. "ESTIMATE OF LENGTH"
10	PXAT 470-01	470-01.1	52392	PAVED ROAD	IN WELL AREA	GRID-V16, W-16	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or large area	5867	SQYD	POOR	2003	15' WIDE. 4 MILES. ASPHALT GONE, DIRT & GRAVEL ROAD. IN WELL AREA EAST OFF N 15TH ST.
11				PAVED		GRID-S-19, S-20, R-	Fog seal, sealcoating, asphalt surface treatment, double coat for roadway or					15' WIDE. .5 MILES. GRAVEL LAYED OVER EXISTING ROAD APPROX 2 YRS AGO. THE EXISTING PROBLEMS WERE NOT REPAIRED AND WEEDS GROWING

*This is a snap shot of OSF DM query data saved to a spreadsheet



	A	B	D	E	K	N	O	P	R
1	AS_ID	LOC 5	IIU_CSLT _CODE	LOC 1	Opt Yr	Yr Deferred	Baseline $	Total DM	
2	PXAT 470-01	470-01.2	DIRT ROAD	ZONE - 11	2003	FY03	$63,555	$195,964	
3	PXAT 470-01	470-01.2	DIRT ROAD	ZONE - 12 SOUTH	2003	FY03	$206,571	$636,934	
4	PXAT 470-01	470-01.2	DIRT ROAD	ZONE - OUTSIDE AREA	2003	FY03	$1,271,295	$3,919,753	
5	PXAT 470-01	470-01.1	PAVED ROAD	FR PANTEX DR TO VMF	2003	FY06	$11,515	$17,123	
6	PXAT 470-01	470-01.1	PAVED ROAD	IN WELL AREA	2003	FY03	$506,616	$64,665	
7	PXAT 470-01	470-01.1	PAVED ROAD	N 14TH ST	2021	FY07	$129,545	$146,090	
8	PXAT 470-01	470-01.1	PAVED ROAD	N 14TH ST	2021	FY07	$71,966	$81,157	

Property ID	Property Name	Owned/ Leased	Program Office
18-002A	Leased Storage	DOE Leased	NNSA
PXAT 460	Site Prep, Grading, and Landscaping	DOE Owned	NNSA
PXAT 470-01	Misc Road, Walks, Paved Areas - MS	DOE Owned	NNSA
PXAT 470-02	Roads, Walks, Paved Areas - ME	DOE Owned	NNSA
PXAT 480	Fences and Barriers	DOE Owned	NNSA
PXAT 490	Other Improvements to Land	DOE Owned	NNSA
PXAT 501	Misc. Building Systems	DOE Owned	NNSA
PXAT 550-01	Other Structures - MS	DOE Owned	NNSA
PXAT 550-02	Other Structures - ME	DOE Owned	NNSA
PXAT 610	Voice/Data Communications	DOE Owned	NNSA
PXAT 615	Electrical Distribution	DOE Owned	NNSA
PXAT 620	Fire Alarm Systems	DOE Owned	NNSA
PXAT 625	Gas Distribution - Miscellaneous	DOE Owned	NNSA
PXAT 630	Irrigation Systems	DOE Owned	NNSA
PXAT 635	Railroad System	DOE Owned	NNSA
PXAT 640	Sewage System	DOE Owned	NNSA
PXAT 645	Steam System	DOE Owned	NNSA
PXAT 650	Water Systems	DOE Owned	NNSA

In Summary

- The OSF PXAT ID numbering system allows us to more easily retrieve select road data from CAIS.

- The CAIS DM exports to FIMS are in no way affected by this numbering system.

- Using the PXAT ID numbering system better equips us to perform CAS road inspections in a timely and effective manner.

- B&W Pantex is proud of its ability to readily track, retrieve, and report OSF data with confidence and accuracy to support our many customer requirements!

Questions!

National Nuclear Security Administration